

02-27-02

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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	034405-9016-00
	First Named Inventor	
	Darrel Lee Turner	
	Express Mail Label No.	EL671385022US

Assistant Commissioner for Patents
BOX PATENT APPLICATION
Washington, D.C. 20231

Sir:

Enclosed for filing is a complete patent application, entitled "METHOD OF REPOSITIONING A BEVELED EDGE OF A CUTTING BLADE" invented by:

Darrel Lee Turner
N2242 River Oaks Road
Reeseville, WI 53579

Gary John Kutzler
901 Cleveland Street
Watertown, WI 53098

and including the following documents:

Specification including Claims - 17 pages
Abstract of the Disclosure
Drawings - 3 sheets
Return Receipt Postcard
Declaration, Power of Attorney
Check for \$986.00 for filing fee
Assignment
Cover letter for assignment
Check for \$40.00 for assignment recording fee
Information Disclosure Statement including copies of the cited references

The filing fee has been calculated as shown below.

(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) BASIC FEE \$740.00
TOTAL CLAIMS	29 - 20	= 9	X \$18.00	= \$162.00
INDEPENDENT CLAIMS	4 - 3	= 1	X \$84.00	= \$84.00
TOTAL FILING FEE --				\$986.00

02/26/02
JC091 U.S. PTO

JC057 U.S. PTO
10/082909
02/26/02

10082909-022602

Please use Figure 4 for front page of published application.

Please include Assignee name and address in published application as follows:

Fisher Barton, Inc.
Watertown, Wisconsin

Charge or credit Deposit Account No. 13-3080 with any shortage or overpayment of the fees associated with this communication. A duplicate copy of this sheet is enclosed.

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23409



Respectfully submitted,

Richard L. Kaiser

Richard L. Kaiser

Reg. No. 46,158

Michael Best & Friedrich LLP

100 East Wisconsin Avenue

Milwaukee, Wisconsin 53202-4108

Date: 2/26/2002

cc: Docketing

Wkg Atty. RLK

Resp Atty. TMK

T:\CLIENTA\034405\9016\A0334071

Statement Of Relevance

This email exchange to and from Mr. Darrel Turner, one of the inventors, provides documentation evidencing conception of the invention. That is not to say that the date of the email is the date of first conception, but only that it is a document evidencing conception.



Date: 9-Dec-99 17:56
From: DARRELT @fisher (Darrel Turner)
To: mvane@ casecorp.com (Van Ee, Marvin)
Copies-to: gpope @ casecorp.com ("Pope, Glenn"),
 kwelty @ casecorp.com ("Welty, Kevin")
Subject: RE: Chopper Blades

The best we can do at the moment is get you a 4mm thick shear bevel sample. I will send you a disk mower blade we run in high production volumes to show the transition geometry. While we have not used the shearing technology on 5mm material, we see no reason not to.

The sheared edge surface gets some work hardening and does not form. If you shorten the bend transition and lengthen the current 75, we can get a longer bevel.

We will soon try to reform one side of a same side shear bevel to reorient the bevel to the opposite side of the part. If this long shot is successful, we can make opposite bevels in a one operation progressive die.

Your marked drawing indicates you need a better hole. We can get a single station shaved hole to have only 25% break out. This would add cost only to the tool and tool maintenance. I will send a sample of a production part with this tooling process.

Finally, I am still working on the laser hardening pricing.

Thanks for your patience.

On Tuesday, December 07, 1999 4:21 PM, mvane@ casecorp.com (Van Ee, Marvin) wrote:

>
>Date: 7-Dec-99 16:21:00 -0500
>From: mvane@ casecorp.com (Van Ee, Marvin)
>To: DARRELT @ FISHER ("fisher barton inc.")
>Subject: RE: Chopper Blades
>
>I may want to order some knives for a test fixture soon. I'm sending a
>mark-up drawing and wanting to resolve the other issues below.

>Thanks

>

> _____

>From: Van Ee, Marvin
>To: 'fisher barton inc.'
>Subject: Chopper Blades
>Date: Friday, November 05, 1999 3:56PM

>
>I would like to complete my chopper knife drawings to more accurately reflect
>our current thinking on chopper blades.

>
>First we talked about shearing the sharpened edge. What is the best way to
>accomplish this? Could you send a sample part that shows the sheared edge
>and how it transitions back to raw blunt edge. Prefer a sample that is made
>with 5mm thickness. The 65mm length for fully sharp edge is a min.
>acceptable length. 80 mm would be better.

>
>Second we could live with a blade that has both bevels on same sides but it
>would cause some problems we would need to work around. I haven't seen an
>added cost est. to flip and shear opposite edge in prog die. If the cost
>121-76=45cents difference, is our only option we may elect to work with non
>symmetry and control the assy problems.

>
>Third we talked about the addition of a single laser pass one side only.
>This would surface harden a 5mm wide band on the end of the knife to 60Hrc
>min. Can I get an est. cost for that?

>